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the reference signal and a level of the output signal, and a level rewriter which rewrites at least either one of the first signal level and the second signal level. When the level of the reference signal reaches the level of the output signal, the control circuit generates a detected temperature signal, and controls the level rewriter so as to change a range where a level of the reference signal changes.



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 07 25 4822

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	US 6 373 423 B1 (KNUDSEN NIELS [DK]) 16 April 2002 (2002-04-16) * abstract * * column 1, lines 8-10 * * column 3, lines 5-29 * * column 5, lines 6-19,55-65 * * column 6, lines 1-6,20-23 * * column 11, lines 19-27 * * figure 5 * * figure 2b *	1-16	INV. G01K3/00 G01K13/00 H03M1/18
Y	US 2004/227651 A1 (FURUICHI SHUJI [JP]) 18 November 2004 (2004-11-18) * abstract * * paragraph [0003] *	1-16	
			TECHNICAL FIELDS SEARCHED (IPC)
			G01K H03M
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 July 2008	Examiner Bagnera, Carlo
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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22-07-2008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6373423	B1	16-04-2002	NONE	
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US 2004227651	A1	18-11-2004	JP 3807381 B2	09-08-2006
			JP 2004274166 A	30-09-2004
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